

Title (en)  
WELL PLATE FOR XRF MEASUREMENTS

Title (de)  
WANNENPLATTE FÜR RÖNTGENFLUORESZENZ MESSUNGEN

Title (fr)  
PLAQUE DE PUIITS POUR DES MESURES À XRF

Publication  
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Application  
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Abstract (en)  
[origin: WO2009023847A1] The present invention includes an apparatus for preparing samples for measurement by x-ray fluorescence spectrometry. The apparatus comprises a plate having one or more through holes which are less than 500 micrometers across in one dimension where a film covers the holes on one side of the plate. The film is translucent to x-rays. In another embodiment, the holes are covered on one side of the plate by a detachable cover forming a water-tight seal against the plate. The cover is substantially free of the elements osmium, yttrium, Indium, phosphorus, zirconium, platinum, gold, niobium, mercury, thallium, molybdenum, sulfur, lead, bismuth, technetium, ruthenium, chlorine, rhodium, palladium, argon, silver, and thorium. The present invention also comprises providing a solution of less than 10 micromolar and a volume between about 2 microliters and about 2 milliliters. The solution is concentrated and analyzed using x-ray fluorescence spectrometry.

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